

Notice of Allowability

Application No.

09/915,703

Examiner

Ljiljana (Lil) V. Ciric

Applicant(s)

AHN, BYEUNG-JOON

Art Unit

3753

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 13 Dec 2004 and to the telephonic interview of 14 Feb 2005.
2. ☒ The allowed claim(s) is/are 1,3-6,8-16 and 18-21.
3. ☒ The drawings filed on 26 July 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

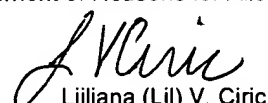
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 02142005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Ljiljana (Lil) V. Ciric
Primary Examiner
Art Unit: 3753

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment to the claims was given in a telephone interview with Attorney Max Moskowitz, Registration No. 30,576, on February 14, 2005.

2. The application has been amended as follows:

In the claims (as appearing in the claims listing filed on 13 December 2004):

Claim 1, line 5: Immediately following "cylindrical body", insert --in a manner that forms a spiral coil pattern--.

Claim 1, lines 6-7: Delete "processing the metal layer to form a coil pattern as a spiral shape".

Claim 3, line 1: Delete "a material of".

Claim 3, line 2: Delete "is selected from the group including" and replace with --includes--.

Cancel claim 7.

Claim 8, line 2: Delete "vanished in a following sintering process" and replace with --which vanishes during sintering--.

Claim 9, line 3: Immediately preceding "width", insert --a--. Also, immediately following "width", delete "on" and replace with --onto--.

Claim 9, line 4: Delete "as" and replace with --in--. Also, delete "with a certain interval".

Claim 9, line 5: Delete "on a distance" and replace with --on exposed portions of the cylindrical body--.

Also, delete "tapes" and replace with --tape--.

Claim 10, line 2: Delete "vanished in a following sintering process" and replace with --which vanishes during sintering--.

Art Unit: 3753

Claim 11, line 4: Delete “as a spiral shape having a certain interval” and replace with –in a spiral shape--.

Claim 11, line 6: Delete “certain time” and replace with –given time period--.

Claim 11, line 7: Delete “certain time” and replace with –given time period--.

Claim 13, line 1: Delete “including” and replace with –wherein said application of heat comprises--.

Claim 13, lines 2-3: Delete “of the cylindrical body”.

Claim 14, lines 1-2: Delete “is selected from the group including” and replace with –includes--.

Claim 15, line 1: Immediately preceding “section”, delete “the” and replace with –a--.

Claim 16, line 2: Delete “with” and replace with –using--.

Cancel claim 17.

Claim 19, lines 1-2: Delete “a material same” and replace with –the same material--.

Claim 21, line 2: Delete “sintering the transformed square-shaped body; and”.

Claim 21, line 3: Delete “sintered” and replace with –cylindrical--.

Cancel claims 22 and 23.

In the specification:

Page 1, line 11: Delete “an” at the end of the line.

Page 1, line 12: Delete “an” immediately preceding “electronic” (second occurrence).

Page 1, line 14: Immediately preceding “constructing”, insert –for--.

Page 1, line 15: Delete “light-weighted” and replace with –made light-weight--.

Page 1, line 15: Delete “according to” and replace with –as a result of the--.

Page 1, line 18: Immediately following “Most”, delete “of”.

Page 1, line 23: Delete “has” and replace with –having a--.

Page 1, line 25: Delete “winding” and replace with –windings--.

Page 2, line 1: Immediately preceding “high frequency”, delete “a” and replace with –the--.

Art Unit: 3753

Page 2, lines 1-2: Delete “according to increase of the number of winding” and replace with –based on the increased number of windings--.

Page 2, line 4: Immediately preceding “same”, insert –the--.

Page 2, line 6: Delete “in stead” and replace with –instead--.

Page 2, line 10: Delete “to mass” and replace with –for mass--.

Page 2, line 14: Delete “currents” and replace with –current--.

Page 2, line 16: Immediately preceding “fabrication”, delete “a” and replace with –the--.

Page 2, line 24: Delete “on the surface of it” and replace with –on its surface--.

Page 2, line 25: Delete “a” immediately preceding “quantity” and replace with –the--. Immediately preceding “pattern”, insert –a--.

Page 3, line 1: Delete the comma (,) immediately following “uniformly”, and replace with a semi-colon (;).

Page 3, line 9: Delete “a” immediately preceding “fabrication”.

Page 5, line 7: Delete “by such as” and replace with –such as by--.

Page 5, line 20: Delete “on a distance between the wound tapes” and replace with –between the wound tape--.

Page 6, line 2: Delete “certain” and replace with –given--.

Page 6, line 5: Delete “a” immediately preceding “chip” and replace with –the resulting--.

Page 6, line 10: Immediately preceding “accompanying”, insert –the--.

Page 6, line 14: Delete “heating, a” and replace with –heating. A--.

Page 7, line 12: Delete “a dipping, a plating or a” and replace with –dipping, plating, or--.

Page 7, line 16: Delete “them” and replace with –these--.

Page 7, line 17: Immediately preceding “spiral”, insert –a--.

Art Unit: 3753

Page 7, line 20: Delete "According to it" and replace with --Accordingly--. Also, delete "wounding is" and replace with --windings are--.

Page 7, line 21: Immediately preceding "coil pattern", insert --the--.

Page 7, line 22: Delete "fineness" and replace with --fine--.

Page 7, line 23: Immediately preceding "laser", insert --a--.

Page 7, line 24: Delete "wounding" and replace with --windings--.

Page 7, line 25: Immediately preceding "laser", insert --the--.

Page 8, line 7: Delete "wounding" and replace with --windings--.

Page 8, lines 11-12: Delete "in case of needs" and replace with --if needed--.

Page 8, line 18: Delete "is corresponded to a coil of inductor, it" and replace with --corresponds to an inductor coil. It--.

Page 9, line 2: Delete "a" immediately preceding "flexible" and replace with --the--.

Page 9, line 25: Delete "wounding" and replace with --winding--.

Page 13, line 10: Immediately preceding "conventional", delete "the" and replace with --a--.

3. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose a method for fabricating a surface mountable chip inductor including the steps of inserting a cylindrical body into a square-shaped mold, where the cylindrical body is formed from a mixture of ferrite or ceramic powder and a thermoplastic binder with a metal layer in the form of a spiral coil pattern on the outer surface of the cylindrical body, and of applying pressure and heat to the mold to transform the cylindrical body into a square-shaped body.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should

Art Unit: 3753


be directed to Ljiljana (Lil) V. Ciric, whose telephone number is (571) 272-4909.

While she works a flexible schedule that varies from day to day and from week to week, Examiner Ciric may generally be reached at the Office during the work week between the hours of 10 a.m. and 6 p.m. ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Mancene, can be reached at (571) 272-4930.

lvc

February 14, 2005


LJILJANA V. CIRIC
PRIMARY EXAMINER
ART UNIT 3753